



BRIEF SUMMARY

Master's student in Data Science and Spatial Analytics with a strong foundation in Computer Science. Passionate about leveraging GIS, geospatial analytics, machine learning, deep learning, IoT, and digital twins to support data-driven decision-making. Skilled in analytical thinking and technical problem-solving, with a focus on turning complex datasets into actionable insights.

KEY EXPERTISE

C Python HTML Javascript CSS SQL Power BI Looker Studio Pandas NumPy Matplotlib Bootstrap
PostgreSQL Github ArcGIS Google Earth Engine PostGIS PHP

EDUCATION

Symbiosis Institute of Geoinformatics

2024 - 2026

M.Sc. - Data Science & Spatial Analytics | CGPA: **8.04 / 10**

Savitribai Phule Pune University

2021 - 2024

B.Sc. - Computer Science - Computer Science (Full Time) | CGPA : **8.12 / 10**

Fergusson College

2021

12th | Percentage: **78.33 / 100**

Saraswati Vidya Mandir

2019

10th | Percentage: **87.80 / 100**

INTERSHIPS

CyberTech | IT / Computers - Software

05 Jun, 2025 - 05 Aug, 2025

GIS Intern

Learned about ESRI's products like ArcGIS, ArcGIS Enterprise, ArcGIS Online, and some more. Also received training in communication. Lastly utilized ESRI's ArcGIS StoryMaps to give a final presentation about my summer project.

PROJECTS

Mapping Crops from Space: Evaluating Deep Learning Models for Crop Classification in Maharashtra

01 Jun, 2025 - 31 Aug, 2025

Key Skills: Deep Learning ArcGIS Pro Python Satellite Imagery PyTorch

The project explores the use of advanced deep learning techniques to classify crops from satellite imagery over parts of Maharashtra, including Akola district. The aim is to provide accurate, up-to-date maps of crop distribution that can assist in agricultural planning, resource management, and yield estimation.

Thera.py

Key Skills: LangChain Python API ChatGPT Gradio

Project Link: <https://github.com/49asvk/thera.py>

Engineered a therapy chatbot by integrating the GPT API.
Ensured a user-friendly interface using Gradio for seamless interaction.
Tools used: GPT-3.5 API, Langchain, Gradio, Python

Sugarcane Yield Prediction in India using Machine Learning Techniques

Key Skills: Python Machine Learning Data Science API

NASA Power API used to collect weather data in selected states.
Government sites to collect sugarcane yield per month.
Machine Learning Algorithms to predict the yield.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Beyond Reality: A Study of Integrating Digital Twins

12 Dec, 2023

Review Paper | No. of Authors: 3

Key Skills: Research Digital Twins Virtual Reality Augmented Reality Secondary Research

This paper explores the integration of Digital Twins, Extended Reality (XR), and the Internet of Things (IoT) to address global challenges in various industries. It focuses on integration of Digital Twins in decision-making, optimizing processes, and contributing to a sustainable future by transforming sectors such as agriculture, healthcare, and manufacturing industry.

POSITIONS OF RESPONSIBILITY

Deputy Placement Head

Deputy Placement Head at Symbiosis Institute of Geoinformatics

Head of Event Coordination at NirvAI

Event Coordinator at NirvAI, an AI club of SIG.

CO-CURRICULAR ACTIVITIES

- Event Coordination Head at NirvAI - An AI Club of SIG
- Part of Fergusson College Cultural Group

EXTRA CURRICULAR ACTIVITIES

- Part of Firodiya Karandak 2019

PERSONAL INTERESTS / HOBBIES

- Working on my personal projects
- Enthusiastic about Linux
- Exploring digital twins as part of my interest
- Watching and being part of theatre groups in Pune

WEB LINKS

- Github - <https://github.com/49asvk>
- Personal - <https://arv.debarv.com>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Gokhalenagar, Pune City, Maharashtra, India - 411016

Email: 24070243010@sig.ac.in

Date of Birth: 04 Sep, 2003

Known Languages: Marathi, Hindi, English

Permanent Address: 230 Ganeshnagar, Ambi Road, Varale Talegaon, Maval, Pune 410507, Talegaon Dabhade, Maharashtra, India - 410507

Phone Number: +91-9420138851